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(c) comparing the hybridization signal obtained for each arrayed clone in the presence and absence of the isolated polynucleotide; and,

(d) identifying clones for which the hybridization signal produced is different in the presence and absence of the isolated polynucleotide as previously characterized clones

6. (Amended) An improved method of making a normalized or subtracted cDNA library comprising:

(a) obtaining double-stranded cDNA (dscDNA) corresponding to mRNA from a tissue or cell;

(b) restricting a first portion of said dscDNA with a first restriction enzyme;

(c) restricting a second portion of said dscDNA with a second restriction enzyme, wherein

(i) restriction of dscDNA from the tissue or cell with the first enzyme is predicted to produce restriction fragments having a predicted average fragment size of between about 100 and about 500 basepairs;

(ii) restriction of dscDNA from the tissue or cell with the second enzyme is predicted to produce restriction fragments having a predicted average fragment size of between about 100 and about 500 basepairs; and,

(iii) the predicted average fragment size in (i) and (ii) are within about 150 basepairs of each other; and,

(d) combining said first and second portions, thereby producing a normalized or subtracted cDNA library.

10. (Amended) The method of claim 9 wherein the animal is selected from the group consisting of rat, mouse, human and non-human primate.